THE

PROCEEDINGS

OF THE

ROYAL ENTOMOLOGICAL SOCIETY

OF

LONDON

Series A
GENERAL ENTOMOLOGY

VOL. 36

LONDON:
PUBLISHED BY THE SOCIETY AND
SOLD AT ITS ROOMS, 41, QUEEN'S GATE, S.W.7

1961

PRINTED IN GREAT BRITAIN BY
ADLARD AND SON, LIMITED,
BARTHOLOMEW PRESS,
DORKING, SURREY.

CONTENTS

PAGE

ASKEW, R. R. The biology of the British species of the genus *Olynx* Förster (HYMENOPTERA : EULOPHIDAE), with a note on seasonal colour forms in the CHALCIDOIDEA . . . 103

BURSELL, E. The behaviour of tsetse flies (*Glossina swynnertoni* Austen) in relation to problems of sampling 9

BURSELL, E. Post-teneral development of the thoracic musculature in tsetse flies . . 69

CHAPMAN, R. F. *Blaesoxipha binodosa* Curran (DIPTERA : CALLIPHORIDAE) parasitising *Cataloipus oberthuri* I. Bolivar (ORTHOPTERA : ACRIDIDAE) 67

CLARIDGE, M. F. Biological observations on some eurytomid (HYMENOPTERA : CHALCIDOIDEA) parasites associated with COMPOSITAE, and some taxonomic implications . . . 153

CORBET, PHILIP S. and HADDOW, A. J. Observations on nocturnal flight activity in some African CULICIDAE (DIPTERA) 113

DAVIS, T. A. W. Butterfly migrations in British Guiana 49

DELANY, M. J. A study on the post-embryonic development of *Machiloides delanyi* Wygodzinsky (THYSANURA : MEINERTELLIDAE) 81

DYTE, C. E. and BLACKMAN, DOROTHY G. A pearl-eyed mutation in *Gnathocerus cornutus* (Fab.) (COLEOPTERA : TENEBRIONIDAE), with notes on similar variants in other beetles . . 168

EVANS, M. E. G. The fronto-clypeal region and the stomodeum in COLEOPTERA . . . 159

FREE, J. B. Hypopharyngeal gland development and division of labour in honey-bee (*Apis mellifera* L.) colonies 5

GILES, E. T. Further studies on the growth stages of *Arixenia esau* Jordan and *A. jacobsoni* Burr (DERMAPTERA : ARIXENIIDAE), with a note on the first instar antennae of *Hemimerus talpoides* Walker (DERMAPTERA : HEMIMERIDAE) 21

GOMA, L. K. H. The swamp environment and the breeding of mosquitoes in Uganda . . 27

HANNA, HILMY M. Selection of materials for case-building by larvae of caddis flies (TRICHOPTERA) 37

HANNA, HILMY M. Observations on the egg-laying of some British caddis flies and on case-building by newly hatched larvae 57

HUNTER-JONES, PHILIP and LAMBERT, JANETTA. Egg development of *Humbe tenuicornis* Schaum (ORTHOPTERA : ACRIDIDAE) in relation to availability of water 75

LEWIS, TREVOR. Records of THYSANOPTERA at Silwood Park, with notes on their biology . 89

MILNE, D. L. The function of the sternal spatula in gall midges 126

POPHAM, E. J. The function of Hagemann's organ in *Corixa punctata* (Illig.) (HEMIPTERA : CORIXIDAE) 119

RAMCHANDRA RAO, Y. Notes on the life-history and habits of *Chonocephalus depressus* de Meijere (DIPTERA : PHORIDAE) in South India 163

SINGH, ASKET. The food preference of *Chrotogonus trachypterus* (Blanchard) (ORTHOPTERA : ACRIDOIDEA : PYRGOMORPHIDAE) 1

SOUTHWOOD, T. R. E. A hormonal theory of the mechanism of wing polymorphism in HETEROPTERA 63

SURTEES, GORDON. Spermathecal structure in some COLEOPTERA associated with stored products 144

WALOFF, N. Observations on the biology of *Perilitus dubius* (Wesmael) (HYMENOPTERA : BRACONIDAE), a parasite of the chrysomelid beetle *Phytodecta olivacea* (Förster) . . 96

WYATT, I. J. Pupal paedogenesis in the CECIDOMYIIDAE (DIPTERA).—I 133

BOOK NOTICES 48, 88, 132, 173

INDEX 174